

COMPUTER SYSTEMS ANALYST

{ JOB DESCRIPTION }

Analyze business, scientific, and technical problems for application to electronic data processing systems and convert business procedures into a programmable form for computer-assisted solutions.

{ SKILLS AND APTITUDES NEEDED }

- Aptitude for analytical work
- Ability to think logically and pay close attention to detail
- Ability to concentrate and deal with a number of tasks simultaneously
- Strong problem solving skills
- Broad knowledge of, and experience with, computer systems and technologies
- Ability to communicate with computer personnel as well as staff with no computer background

Computer systems analysts coordinate with management, network and database administrators, and computer users to determine the requirements to meet the information needs of the organization. They outline the flow of information within the company for enterprise resource planning and other business intelligence systems. They plan and develop new computer systems or devise ways to apply existing systems' resources to additional operations.

Analysts use techniques such as structured analysis, data modeling, information engineering, mathematical model building, sampling, and cost accounting to plan systems. Many analysts are involved with networking—connecting all of their organization's computers internally and/or externally for tasks such as e-mail or the World Wide Web.

{ SOUTH PLAINS }

Avg. Wage
\$22.76

Avg. Annual
Job Openings
37

Employment in
1998 2008
504 842

{ TEXAS }

Avg. Wage
\$24.86

Avg. Annual
Job Openings
3,224

Employment in
1998 2008
44,092 73,596

{ U.S. EMPLOYMENT }

In 1998
552,530

Female 29%
Minority 17%

BUSINESS & MARKETING CAREERS



{ PREFERRED EDUCATION }

- Associate degree with coursework in business management and information systems, with related work experience
- Bachelor Degree in management information systems (MIS) or computer information science, often required

{ LICENSE / CERTIFICATION }

- Technical or professional certification optional
- May be required by product vendors or software firms

{ REGIONAL EDUCATION PROVIDERS }

- **SOUTH PLAINS COLLEGE**-Associate of Applied Science (A.A.S.), Computer Information Systems
- **TEXAS TECH UNIVERSITY**-Bachelor of Business Administration (B.B.A.), Mgmt. Information Systems; Bachelor of Science (B.S.), Computer Science
- **LUBBOCK CHRISTIAN UNIVERSITY**-Bachelor of Science (B.S.), Computer Information Systems
- **WAYLAND BAPTIST UNIVERSITY**-Bachelor of Science (B.S.), Math (WBU) with minor in Computer Science (at TTU)

{ JOB SITES }

Computer/Data Processing	26%
Federal Government	7%
Self Employed	5%
Electronic Components	5%
Crude Petroleum/Natural Gas	5%

{ FOR MORE INFORMATION }

ASSOCIATION FOR COMPUTING MACHINERY (ACM)
1515 Broadway, New York, NY 10036, (800) 342-6626,
www.acm.org

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